

## ABSTRACT OF THE DISCLOSURE

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A method for producing a silicon nitride filter by heat-treating in nitrogen a green body of from 35 to 90 mass% of silicon nitride particles having an average particle diameter of from 1 to 30 $\mu$ m, from 5 to 60 mass% of a pore-forming agent and from 0.1 to 5 mass% of metal oxide particles, provided that the total amount of the silicon nitride particles, the pore-forming agent and the metal oxide particles is at least 90 mass%, to form a porous product.